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performs a task which is unrelated to retrieval of any document specified in the request; and

executing the function in the same computer system that is executing said applet and applet viewer to thereby cause execution of the one or more computer instructions in response to receipt of the request.

In the Drawings

Formalized drawings will be submitted to the Patent Office upon receipt of the Notice of Allowance.

REMARKS

Applicant has carefully reviewed and considered the Office Action mailed on September 2, 1999, and the references cited therewith.

Claim 22 is added; as a result, claims 1-22 are now pending in this application.

Applicant respectfully requests reconsideration of the above-identified patent application as amended and in view of the following remarks.

§102 Rejection of the Claims

Claims 1, 2, 5-7, 10-12 and 15-21 were rejected under 35 U.S.C. §102(e) as being anticipated by Judson. Applicant does not admit that the Judson patent is prior art and does not waive his right to swear behind the Judson patent at a later date. Applicant nonetheless believes that the present invention is patentable over the Judson patent.

Applicant respectfully traverses the anticipation rejection and asserts that Judson does not support a prima facie case of anticipation.

Applicant respectfully asserts that Judson solves a different problem than the present invention and the Judson fails to teach all elements of the claimed subject matter.

Patentability is not precluded under 35 USC § 102 where the applicant's invention solves a different problem than another document. Applicant respectfully submits that in the present invention, patentability is not precluded and the application is in a state of allowance because Judson solves a different problem than the present invention. In general, Judson solves the problem of the user waiting long periods during rendering of images specified in a hypertext document [col. 1 lines 34-50], while the present invention solves problems involving applets that prevented from using local computer resources.

More specifically, the problem to be solved in Judson is providing a use for the "time period between the time the user initiates the link and the return of the web page" and the "time period during which formatting information must be processed for display on the display interface [col. 1 lines 34-38]. Judson solves the problem of slow display of a web page by a web browser [col. 1 lines 34-55] by "causing the display of some useful information to the user during the period of user "downtime" that otherwise occurs between linking and downloading of a hypertext document identified by the link." [col. 1 lines 60-63].

One will notice the consistent focus in Judson on the *time period* of display, in comparison to problems involving the isolation of an applet from local resources. Moreover, Judson does not address problems involving the manipulation of local resources by an applet, as does the present invention, but instead Judson addresses problems in the wait period during downloading.

In comparison, the present invention is directed to improving "interprocess communication ... in isolated computer process such as applets..."[page 5 line 15-17. The present invention solves problems involving an applet being available to "serve RPC requests from an independently executing computer process." [page 5 lines 26-28].

As a result of the present invention being directed to overcoming problems of an applet accessing local computer resources, the solution in the present invention is to specify a function encoded in a document retrieval request that the applet will decode and pass along to a local computer resource that is not isolated. As a result of the encoded function "... the applet can serve RPC requests ... in a manner permitted by an applet viewer..." [page 6 lines 8-9].

Claim 1

In claim 1 of the present invention, "a request for a document according to a document retrieval protocol" is received from an applet and determined "that the request specifies a function." In claim 1, it is clear that the request specifies a function. It is clear that claim 1 is directed to overcoming problems of an applet's inability to access local computer resources. In comparison, Judson "embed[s] an

information object within an existing web page [col. 2 lines 1-5]. Furthermore, Judson says "As used herein, the "information object ... should be broadly construed to cover any and all forms of messages, notices, text, graphics, sound, video, tables, diagrams, applets and other *content*, and combinations of any of the above." [col. 7 line 38-43]. Judson is clear that the embedded object is "content", not a function, as in claim 1. Therefore, claim 1 is patentably distinguishable from Judson because Judson does not teach the element of an embedded function.

Claim 2

Since Judson is clearly distinguished by claim 1, no prima facie case of obviousness has been established by the use of Judson and Person. The Examiner is respectfully requested to withdraw this rejection.

Furthermore, not only is claim 2 patentably distinguished from Judson because claim 2 depends from the patentably distinguished claim 1, but also because Judson does not disclose or teach a "name space that is reserved for function requests" specifying a document.

Claims 6, 11, 16, 17, 18, 19, 20, 21

In claims 6, 11, 16, 17, 18, 19, 20, and 21 of the present invention, a function is specified in the request. It is clear that claim 1 is directed to overcoming problems of an applet's inability to access local computer resources. In comparison, Judson "embed[s] an information object within an existing web page [col. 2 lines 1-5]. Furthermore, Judson says "As used herein, the "information object ... should be broadly construed to cover any and all forms of messages, notices, text, graphics, sound, video, tables, diagrams, applets and other *content*, and combinations of any of the above." [col. 7 line 38-43, emphasis added]. Judson clearly discloses that the embedded object is "content", not a function, as in claim 1. Therefore, claims 6, 11, 16, 17, 18, 19, 20, 21 are patentably distinguishable from Judson.

Distinct differences between Judson and the claims have been pointed out in these remarks. Since Judson clearly does not show each and every element of the claims, they are believed to be patentable over Judson.

Applicant respectfully submits that the present invention and Judson are directed to overcoming different problems. Judson is directed to overcoming problems making use of download time and the present invention is directed to overcoming problems applets isolated from local computer resources. Therefore, the claims of the present invention are believed allowable.

CONCLUSION

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's representative at (612)373-6938 to facilitate prosecution of this application.

If necessary, please charge any additional fees or overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

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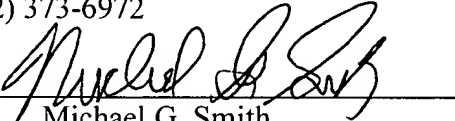
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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Box AF, Assistant Commissioner of Patents, Washington, D.C. 20231 on January 5th, 2000.

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